iRobot® Coding Platform

A Coding Journey Powered by Robots.

```
robot.whenProgramStarted {
    robot. markerDown   ()
    for _ in 1 ...   4   {
        robot.move(   16   )
```
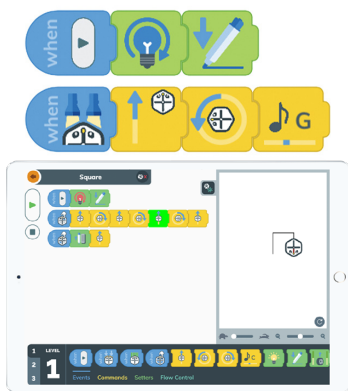
Graphical Coding

Begin with drag-and-drop, graphical blocks in Learning Level 1 to teach the fundamental logic skills of coding, no reading required. Then, use the platform's auto-level converter to instantly translate code to the next level.

Hybrid Coding

Differentiate learning by allowing students to work between Learning Levels. When they are ready to progress, hybrid blocks in Learning Level 2 build coding fluency by featuring a mix of graphics and coding script.
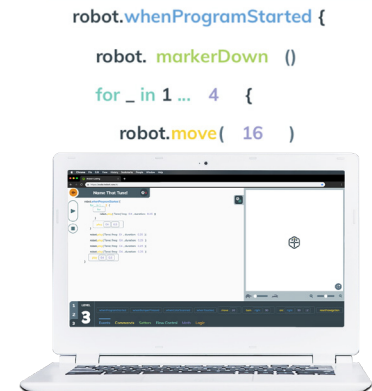
Full-Text Coding

The ability to flip between Learning Levels to helps students build their way up to Learning Level 3, which uses full-text code to teach the structure and syntax of professional coding languages.

With over 30 years of building and programming robots, learn to code from the expert that brings you the Roomba® robot vacuum and Braava® robot mop.
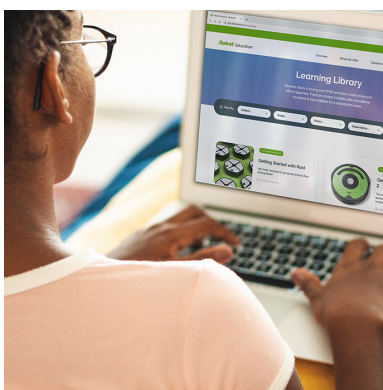
30 YEARS
Robotics Expertise & Innovation

iRobot® Coding features:

Program SimBots in virtual arenas

The best part about learning with robots? Seeing all you can do with them. Take on challenges using robot SimBots in virtual arenas. **Get coding now at code.irobot.com.**

Hours of activities at your fingertips

Visit the learning library to discover hours of free tutorials, projects and activities that encourage student learning. Premium content that has been created, curated and scaffolded to meet classroom needs is also available on a subscription basis.

Easily code in mixed device landscapes

Suitable for mixed device or BYOD landscapes, the iRobot® Coding platform can be accessed on a variety of types or models of devices running most major, up-to-date operating systems.

Connect to and control real robots*

Engage learners through innovation and creativity using interactive, real-world experiences with the Root® coding robot. Whether a budding scientist, explorer, musician, artist or engineer, the Root® coding robot's combination of features and sensors keep students engaged.
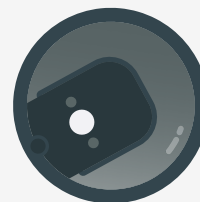
Specifications

CODING PLATFORM

	Learning Level 1	Graphical
	Learning Level 2	Hybrid
	Learning Level 3	Full-Text
	Virtual SimBots	Root® rt1

The platform's auto-level converter instantly translates code to the next level, creating a framework of knowledge that students can build upon.

SUPPORTED OPERATING SYSTEMS

Android
Chrome OS
Windows
iOS
macOS

Questions? Email Root@iRobot.com

*In order to connect to the Root® coding robot using the iRobot® Coding platform, your device requires Bluetooth Low Energy (BLE) and a supported browser such as Chrome or Edge.